Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

EMB

"FIRST AND FINAL BILL"

Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On: 22-06-22, 24-06-22

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.							
	Santha Sevalal Park							
	South Side							
	Ch:0.00 to 30.00m		1	30.00	0.80	0.90	21.60	
	Ch:30.00 to 51.75m		1	21.75	0.80	0.90	15.66	
	Ch:51.75 to 53.50m		1	1.75	0.80	0.90	1.26	
	Ch:53.50 to 57.35m		1	3.85	0.80	0.90	2.77	
	Ch:57.35to 58.85m		1	1.50	0.00	0.90	0.00	
	Ch:58.85 to 77.35m		1	18.50	0.80	0.90	13.32	
	Sangolli Rayanna Park							
	Southern Side							
	Ch:0.00 to 16.35m		1	16.35	0.90	0.90	13.24	
	Ch:16.35 to 20.35m Gate		1	4.00	0.90	0.90	3.24	
	Ch:20.35 to 24.00m		1	3.65	0.95	0.90	3.12	
	Western Side							
	Ch:0.00 to 24.75m		1	24.75	0.90	0.90	20.05	
	Northern Side							
	Ch:0.00 to 23.00m		1	23.00	0.90	0.90	18.63	
	Eastern Side							
	Ch:0.00 to 24.50m		1	24.50	0.90	0.90	19.85	
	Raj Park							
	Eastern Side							
	Ch:56.35 to 86.35m		1	30.00	0.80	0.90	21.60	
	Ch:86.35 to 88.10m		1	1.75	0.75	0.90	1.18	
	Ch:88.10 to 118.10m		1	30.00	0.80	0.90	21.60	
	Ch:118.10 to 143.20m		1	25.10	0.78	0.90	17.62	
	Debris							
			1	15.00	5.70	0.30	25.65	
						Total Qty	**220.39**	**Cum**

Contractor

Asst. Engineer

Ass.Exec. Engineer

Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On: 23-06-22, 25-06-22

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates							
	Santha Sevalal Park							
	South Side							
	Ch:0.00 to 30.00m		1	30.00	0.70	0.15	3.15	
	Ch:30.00 to 51.75m		1	21.75	0.70	0.15	2.28	
	Ch:51.75 to 53.50m		1	1.75	0.70	0.15	0.18	
	Ch:53.50 to 57.35m		1	3.85	0.70	0.15	0.40	
	Ch:57.35to 58.85m		1	1.50	0.70	0.15	0.16	
	Ch:58.85 to 77.35m		1	18.50	0.70	0.15	1.94	
	Sangolli Rayanna Park							
	Southern Side							
	Ch:0.00 to 16.35m		1	16.35	0.80	0.15	1.96	
	Ch:16.35 to 20.35m Gate		1	4.00	0.80	0.15	0.48	
	Ch:20.35 to 24.00m		1	3.65	0.85	0.15	0.47	
	Western Side							
	Ch:0.00 to 24.75m		1	24.75	0.80	0.15	2.97	
	Northern Side							
	Ch:0.00 to 23.00m		1	23.00	0.80	0.15	2.76	
	Eastern Side							
	Ch:0.00 to 24.50m		1	24.50	0.80	0.15	2.94	
	Raj Park							
	Eastern Side							
	Ch:56.35 to 86.35m		1	30.00	0.70	0.15	3.15	
	Ch:86.35 to 88.10m		1	1.75	0.65	0.15	0.17	
	Ch:88.10 to 118.10m		1	30.00	0.70	0.15	3.15	
	Ch:118.10 to 143.20m		1	25.10	0.68	0.15	2.56	
						Total Qty	**28.73**	**Cum**

Contractor

Asst. Engineer

Ass.Exec. Engineer

Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On: 25-06-22, 30-06-22

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)							
1st Step							
Santha Sevalal Park							
South Side							
Ch:0.00 to 30.00m		1	30.00	0.65	0.60	11.70	
Ch:30.00 to 51.75m		1	21.75	0.65	0.60	8.48	
Ch:51.75 to 53.50m		1	1.75	0.65	0.60	0.68	
Ch:53.50 to 57.35m		1	3.85	0.65	0.60	1.50	
Ch:57.35to 58.85m		1	1.50	0.65	0.60	0.59	
Ch:58.85 to 77.35m		1	18.50	0.65	0.60	7.22	
Sangolli Rayanna Park							
Southern Side							
Ch:0.00 to 16.35m		1	16.35	0.75	0.50	6.13	
Ch:16.35 to 20.35m Gate		1	4.00	0.75	0.50	1.50	
Ch:20.35 to 24.00m		1	3.65	0.80	0.50	1.46	
Western Side							
Ch:0.00 to 24.75m		1	24.75	0.75	0.50	9.28	
Northern Side							
Ch:0.00 to 23.00m		1	23.00	0.75	0.50	8.63	
Eastern Side							
Ch:0.00 to 24.50m		1	24.50	0.75	0.50	9.19	
Ch:56.35 to 86.35m		1	30.00	0.65	0.48	9.36	
Ch:86.35 to 88.10m		1	1.75	0.60	0.50	0.53	
Ch:88.10 to 118.10m		1	30.00	0.65	0.60	11.70	
Ch:118.10 to 143.20m		1	25.10	0.63	0.54	8.54	
2nd Step							
Santha Sevalal Park							
South Side							
Ch:0.00 to 30.00m		1	30.00	0.50	0.55	8.25	
Ch:30.00 to 51.75m		1	21.75	0.50	0.55	5.98	
Ch:51.75 to 53.50m		1	1.75	0.50	0.60	0.53	
Ch:53.50 to 57.35m		1	3.85	0.50	0.52	1.00	
Ch:57.35to 58.85m		1	1.50	0.50	0.52	0.39	
Ch:58.85 to 77.35m		1	18.50	0.50	0.60	5.55	
Sangolli Rayanna Park							
Southern Side							
Ch:0.00 to 16.35m		1	16.35	0.60	0.50	4.91	
Ch:16.35 to 20.35m Gate		1	4.00				
Ch:20.35 to 24.00m		1	3.65	0.65	0.50	1.19	

12.4.22

Contractor

Asst.Engineer

Ass.Exec.Engineer

Western Side							
Ch:0.00 to 24.75m		1	24.75	0.60	0.50	7.43	
Northern Side							
Ch:0.00 to 23.00m		1	23.00	0.60	0.50	6.90	
Eastern Side							
Ch:0.00 to 24.50m		1	24.50	0.60	0.50	7.35	
Raj Park							
Eastern Side							
Ch:56.35 to 86.35m		1	30.00	0.50	0.48	7.20	
Ch:86.35 to 88.10m		1	1.75	0.45	0.50	0.39	
Ch:88.10 to 118.10m		1	30.00	0.50	0.60	9.00	
Ch:118.10 to 143.20m		1	25.10	0.48	0.54	6.51	
					Total Qty	**169.04**	**Cum**

Contractor

Asst.Engineer

Ass.Exec.Engineer

Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On: 11-07-22

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates							
Santha Sevalal Park							
Santha Sevalal Park							
South Side							
Ch:0.00 to 30.00m		1	30.00	0.50	0.075	1.13	
Ch:30.00 to 51.75m		1	21.75	0.50	0.075	0.82	
Ch:51.75 to 53.50m		1	1.75	0.50	0.075	0.07	
Ch:53.50 to 57.35m		1	3.85	0.50	0.075	0.14	
Ch:57.35to 58.85m		1	1.50	0.50	0.075	0.06	
Ch:58.85 to 77.35m		1	18.50	0.50	0.075	0.69	
Sangolli Rayanna Park							
Southern Side							
Ch:0.00 to 16.35m		1	16.35	0.60	0.075	0.74	
Ch:16.35 to 20.35m Gate		1	4.00				
Ch:20.35 to 24.00m		1	3.65	0.65	0.075	0.18	
Western Side							
Ch:0.00 to 24.75m		1	24.75	0.60	0.075	1.11	
Northern Side							
Ch:0.00 to 23.00m		1	23.00	0.60	0.075	1.04	
Eastern Side							
Ch:0.00 to 24.50m		1	24.50	0.60	0.075	1.10	
Raj Park							
Eastern Side							
Ch:56.35 to 86.35m		1	30.00	0.50	0.10	1.50	
Ch:86.35 to 88.10m		1	1.75	0.45	0.10	0.08	
Ch:88.10 to 118.10m		1	30.00	0.50	0.10	1.50	
Ch:118.10 to 143.20m		1	25.10	0.48	0.10	1.20	
					Total Qty	**11.35**	**Cum**

Contractor

Asst. Engineer

Ass.Exec. Engineer

ıme of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

Detailed Measurements

surement Recorded On: 02-07-22, 04-07-22

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
oading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum (Tipper 14 m3)							
Qty frm Item No-1						220.39	
					Total Qty	**220.39**	**Cum**

Contractor

Asst. Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Asst. Exec. Engineer
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On: 02-07-22, 04-07-22

No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t.km							
	Qty frm Item No-1			220.39	1.28		282.10	
						Total Qty	**282.10**	**T.km**

Contractor

Asst. Engineer

Ass.Exec. Engineer

Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no - 03 of Yelahanka satellite town sub division

MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

e of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no - 03 of Yelahanka satellite town sub division

Detailed Measurements

em No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.								
	Vide pre-measurement page no.					220.39			
					Present Qty	**220.39**	**Cum**	**214.52**	**47279.00**
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates								
	Vide pre-measurement page no.					28.73			
					Present Qty	**28.73**	**Cum**	**6634.07**	**190597.00**
3	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)								
	Vide pre-measurement page no.					169.04			
					Present Qty	**169.04**	**Cum**	**6253.46**	**1057077.00**
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates								
	Vide pre-measurement page no.					11.35			

Contractor

Asst. Engineer

Exec. Engineer

	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
					Present Qty	**11.35**	**Cum**	**7030.82**	**79794.00**
7	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)								
	Vide pre-measurement page no.					220.39			
					Present Qty	**220.39**	**Cum**	**85.35**	**18811.00**
8	Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t km								
	Vide pre-measurement page no.					282.10			
					Present Qty	**282.10**	**T.km**	**46.13**	**13014.00**

Contractor

Asst. Engineer

Asst. Engineer

Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

Detailed Measurements

Measurement Recorded On: 28-07-22

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)									
Santha Sevalal Park									
South Side									
Ch:0.00 to 30.00m		1	30.00		1.80	54.00			
Ch:30.00 to 51.75m		1	21.75		1.80	39.15			
Ch:51.75 to 53.50m		1	1.75		1.80	3.15			
Ch:53.50 to 57.35m		1	3.85		1.80	6.93			
Ch:57.35to 58.85m		1	1.50		1.80	2.70			
Ch:58.85 to 67.23m		1	8.38		1.80	15.08			
Sangolli Rayanna Park									
Southern Side									
Ch:0.00 to 16.35m		1	16.35		1.60	26.16			
Ch:16.35 to 20.35m Gate		1	4.00						
Ch:20.35 to 24.00m		1	3.65		1.60	5.84			
Western Side									
Ch:0.00 to 24.75m		1	24.75		1.60	39.60			
Northern Side									
Ch:0.00 to 23.00m		1	23.00		1.60	36.80			
Eastern Side									
Ch:0.00 to 24.50m		1	24.50		1.60	39.20			
Raj Park									
Eastern Side									
Ch:56.35 to 86.35m		1	30.00		1.96	58.80			
Ch:86.35 to 88.10m		1	1.75		1.97	3.45			
Ch:88.10 to 118.10m		1	30.00		1.96	58.80			

Contractor

Asst.Engineer

Asst.Exec.Engineer

118.10 to 143.20m		1	25.10		1.96	49.20			
Northern Side									
7.10 to 16.50m		1	9.40		1.95	18.33			
					Total Qty	**457.19**	**Sqm**	**16388.06**	**7492417.00**

Contractor

Asst.Engineer

Asst.Exec.Engineer

Name of Work: Improvements and Development of Sangolli Rayanna Park in Attur ward no -03 of Yelahanka satellite town sub division

Detailed Measurements

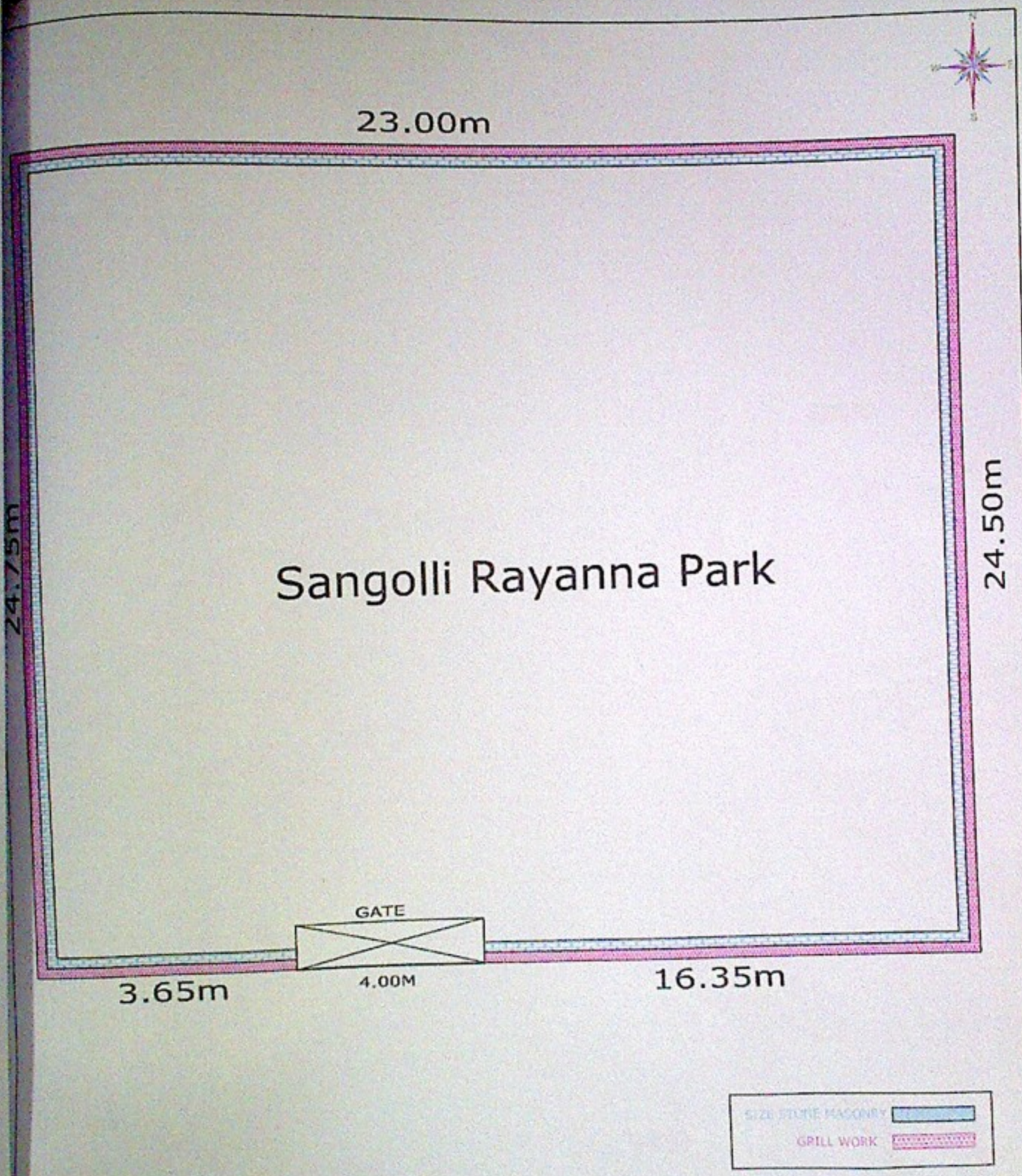
Measurement Recorded On: 28-07-22

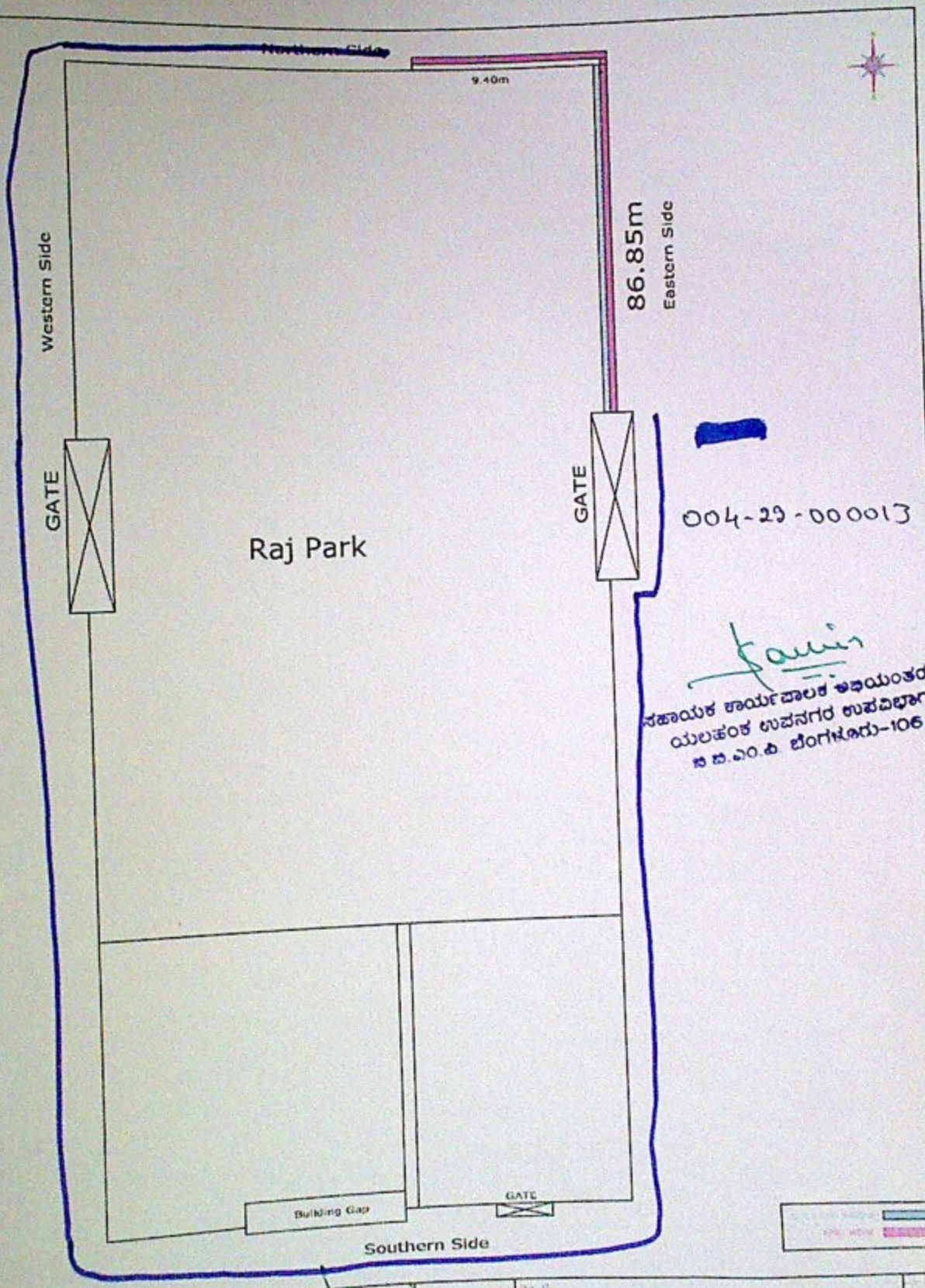
Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	Fabricating, providing and erecting in position Hot dip galvanised Gate Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)									
	Sangolli Rayanna Park Southern Side		1	4.00		1.80	7.20			
							Total Qty	**7.20**	**Sqm**	**22385.48**	**161176.00**
									Sub Total	**9060165.00**
									GST 12%	**1630829.70**
									Grand Total	**10690994.70**

Contractor

Asst. Engineer

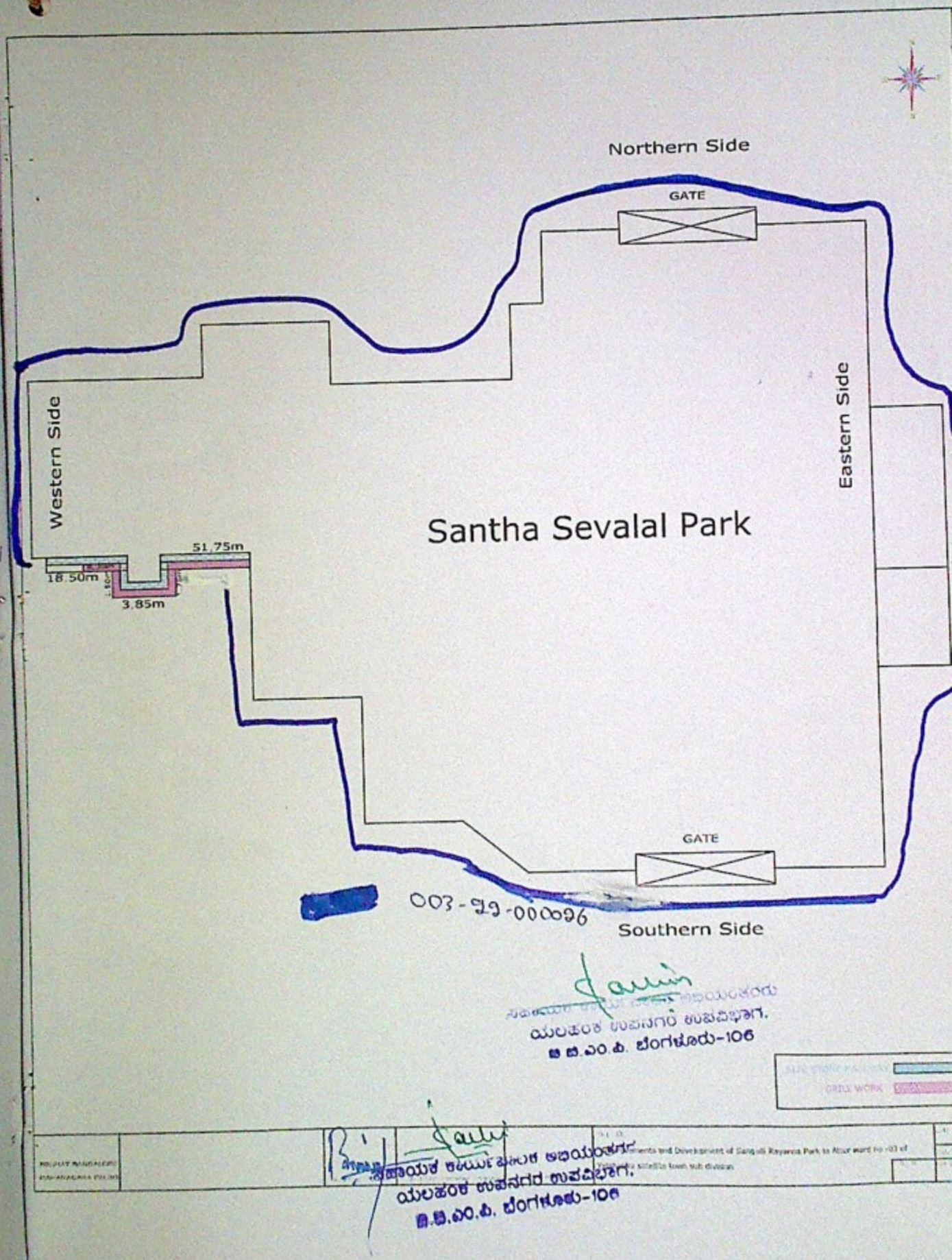
Ass Exec. Engineer


23.00m
24.75m
24.50m
Sangolli Rayanna Park
GATE
3.65m
4.00M
16.35m
SIZE STONE MASONRY
GRILL WORK



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106